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High Schools and Collegiate Institutes

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ACCOMMODATIONS
AND GYMNASIUM

Requirements, Grading, and
Grants



ONTARIO
DEPARTMENT OF EDUCATION

High Schools and Collegiate Institutes

I: ACCOMMODATIONS: REQUIREMENTS, GRADING, AND GRANTS

School accommodation shall be considered as divided into four grades, according to the character and extent of the school buildings and grounds and their equipment. Where any part of the accommodation is used jointly by the High and Public Schools, the grading shall be one degree lower than if the schools were separate. In determining the grades, the High School Inspectors shall have regard to the following considerations:—

1. *School Grounds.*—The school grounds shall not be less than one acre in extent, easily accessible, not exposed to disturbing noises or noxious odours, and shall be exclusively devoted to High School purposes. In the case of Public and High Schools in the same building, the playgrounds for the High School pupils shall be separate. The grounds shall be properly levelled and drained, and ornamented with trees, shrubs, and flower beds; they shall also have separate entrances and recreation grounds and walks for the sexes. The recreation grounds for the sexes shall be separated with a close board fence, wall, or hedge. No trees shall be placed so close to the school building as to check the free passage of air and light. Provisions shall be made for keeping the buildings and grounds in good order.

2. *Water Supply.*—The water supply shall be pure and adequate. Where there is no other source of water supply, there shall be a well on the school premises properly protected against pollution. If a dug well, it shall be thoroughly pumped and cleaned out at the close of each vacation and at such other times as may be deemed advisable by the inspector. Lavatories, water-taps or tanks, and drinking cups of glass or good enamelled ware, shall be provided, and satisfactory arrangements shall be made for a suitable supply of water in the laboratory. Grades I and II shall be given only when the water supply is inside the building.

3. *Closets.*—The closets for the sexes shall be under separate roofs several feet apart, and properly screened from observation. Each closet shall be properly lighted and ventilated and shall contain a sufficient number of compartments for the attendance, each compartment being provided with a door. The boys' closet shall be built of glazed brick or

similar material, or of wood, painted a dark colour and sanded, with floors of cement, brick, or hardwood, placed at least a foot above the ground. Urinals, of slate or similar material, divided into compartments and properly situated shall be provided for the boys, and separate and locked closets for the teachers. The closets and urinals shall be cleansed and disinfected at suitable intervals. Covered walks shall be laid from the door of the school building to the closets. A wall or a close, high board fence shall be provided between the boys' and the girls' side, from the closet to the school building, and the entrance to the closets shall be properly screened. In the case of a Public and a High School in the same building, the closets for High School pupils shall be separate from the closets for Public School pupils. Where the closets are inside the building the above conditions shall apply *mutatis mutandis*.

4. *School Building*.—The grading of the school building shall depend upon the site and architectural appearance. In every school building there shall be separate entrances for the sexes with vestibules or covered porches, and separate means of egress at the rear to the recreation grounds and closets. Where there are two or more stories, the upper floors shall be sound-proofed with mortar, felt, or other suitable material. The school building shall be at least thirty feet distant from the highway. A school bell and a flag and a flag-pole should be provided.

5. *Class-Rooms*.—The class-rooms shall be conveniently arranged, well proportioned and oblong in shape. A superficial area of 16 square feet and a cubic air space of 250 feet shall be allowed for each pupil. Hardwood is preferable for the floors and stairways. Any wood of such quality and grain as would suit for an oil or varnish finish will suit for the rest of the woodwork. Wood finish, instead of plaster, may also receive the highest grading. If calcimined or papered, the walls shall be kept free from dust, and renovated when needed. If painted, they shall be washed down and repainted also when needed. Where it is difficult to keep the ceilings in repair, metallic sheathing should be used. Suitable colour schemes (the ceilings being of a light tint) should be adopted for the halls and class-rooms. A soft colour—a light greenish or stone gray or a dull blue—suits the class-room walls; while for the halls terra-cotta shades afford a suitable contrast. A class room should be devoted to the purposes of art instruction. (See pamphlet on School Plans for Rural Schools—Colour Schemes for Interiors.)

The doors shall swing outwards or either way. At least one waste paper basket shall be provided for each room, and the floors shall be kept in good order. A closet or a cabinet shall be provided for utensils used in school work; also a suitable bookcase. Durable scrapers and mats shall be placed at the outside doors. In three-masters' schools or over, at least one separate class-room shall be provided for science teaching; in two-masters' schools one of the ordinary class-rooms may be used for this purpose, and in the larger schools the laboratories for Chemistry, Physics, and Biology shall be separate. There shall be a hall or class-room in which

all the pupils can assemble. A movable fanlight shall be placed over each class-room door. The class-rooms should be decorated with good pictures, casts, and vases, and other beautiful ornaments. First-class grading shall not be given unless the rooms are suitably decorated. A reasonable expenditure for this purpose will be expected from year to year.

6. *Teachers' Private Rooms.*—There shall be at least one room for the private use of the teaching staff, of suitable size and comfortably furnished. Where the teaching staff is large, there shall be two or more private rooms, one of which shall be assigned for the accommodation of the female teachers.

7. *Halls.*—The entrances, vestibules, and halls shall be roomy and well lighted, and shall be so placed as to admit of separate entrances for the sexes to the waiting-rooms, cap-rooms, and class-rooms. The halls shall also be properly heated. In buildings of two or more stories there shall be separate stairways for the sexes, easy of access and well guarded. Suitable colour schemes and decorations should be provided.

8. *Waiting-Rooms and Cap-Rooms.*—The waiting-rooms and cap-rooms for the sexes shall be conveniently situated with respect to the class-rooms, and shall be properly heated and ventilated. The waiting-rooms shall be furnished with benches and tables, and the cap-rooms with all necessary appliances for storing umbrellas and for hanging caps or cloaks. Provision shall also be made in the building for storing bicycles.

9. *Desks.*—There shall be a single desk for each pupil in attendance. The desks shall be of suitable size with movable seats and adjustable lids. In each school room the outer row on each side should consist of adjustable seats and desks, to be adapted to pupils below or above the average size to be seated. The pupil, when seated, must be able to place his feet fully and easily on the floor. There shall be a desk and a chair in each class-room for the use of the teacher, and at least one chair for a visitor. A sloping stand for the gazetteer and the large dictionary shall also be provided. The laboratory shall be supplied with suitable tables for experimental work in both Physics and Chemistry. In the larger schools special provision shall be made for teaching Biology and Physics; special desks shall also be provided for Commercial and Art work, with, if practicable, separate class-rooms. Grades I and II shall be given only when there are single desks and suitable provision has been made for practical work in Science.

10. *Blackboards.*—The blackboards shall be of sufficient extent and of good quality (slate preferred), properly placed in regard to light and distance from the floor, and furnished with troughs to hold chalk dust. There shall be a suitable supply of erasers for teachers and pupils, and the troughs and erasers shall be cleaned every day. *Every possible precaution should be taken against dust in the school room.*

11. *Lighting.*—The class-rooms shall be lighted from the left of the pupils, the lower edges of the windows being on a level with the heads

of the pupils. The windows of every school building shall be adjusted by weights and pulleys, and shall admit of an adequate diffusion of light throughout the whole class-room. They shall also be provided with blinds of suitable colour (light green or gray or greenish gray). The blinds on the left of the pupils should be semitransparent; other blinds, opaque. The blinds shall be provided with cords so as to be readily adjustable to any required height. Grade I is given only when the lighting is from the left.

12. *Heating*.—The temperature of the class-room, halls, waiting-rooms, cap-rooms, and teachers' private rooms shall be not less than sixty-eight degrees. A thermometer shall be provided for each class-room. Where stoves are used they shall be so placed and protected as to prevent discomfort to any pupil. Grades I and II shall be given only in the case of schools heated with hot air, steam pipes, or hot-water pipes.

13. *Ventilation*.—Due regard shall be paid to the moisture as well as the temperature of the atmosphere, and provision shall be made for an adequate supply of pure air at all times. The foul air shall be removed and the pure air supplied so that there shall be a complete change at least three times an hour. Air *shall not* be taken from the school room or from the basement to supply the furnace.

Where storm sashes are used on the outside, they shall contain sliding panels or shall be hinged at the top, to allow of the ingress of pure air; or they may be placed on the inside and also hinged at the top. It answers equally well to have double panes of glass about one-half inch apart in the same sash. A draft-chamber or other suitable special means of ventilation shall be provided for the laboratory.

II. THE GYMNASIUM

The Gymnasium should either be a part of the main school building or be connected therewith by a covered walk. It shall be adequately heated and ventilated. The sizes best adapted, having regard to the number of pupils, are 80 x 40, or 70 x 35. The windows in the sides of the building should be at least twelve feet from the ground; each window should be about three feet high by six feet long. They should be sufficiently numerous to furnish adequate light and easily adjustable for the purposes of ventilation. One end of the gymnasium should be a dead wall without windows; the other end should contain the doors for entrance and either one large window or several small ones. The floor should be planked and a suitable supply of mattresses provided. The trapeze and flying rings should be in the central portion, suspended from points at least sixteen feet from the ground. The side rings should be suspended from points thirteen to sixteen feet from the ground. The stationary gymnastic apparatus, and the stove, where one is used for heating and where one is sufficient, should be placed at the end of the building containing the doors and windows. A locker and racks and stands should be provided for the movable appliances when not used by the class. Private rooms should be provided where the pupils may make any desirable change in their dress; also an adequate number of baths. A running track should also be provided. Where the organization renders it necessary, separate gymnasia should be provided for the sexes. If suitably planned, the assembly-room may be used in addition for Physical Culture.

Equipment Recommended

The apparatus marked * is regarded as indispensable.

- *Two Horizontal Bars—one at least to be adjustable to different heights.
- *Two pairs Parallel Bars—one to be adjustable.
- *Travelling Rings—at least six.
- *Horizontal Ladder.
- *Flying Rings—two pairs.
- *Incline Board.
- *Jump Board.
- *Balance Beam.
- *Gymnasium Scale.
- *Wooden Dumb Bells.
- *Indian Clubs ($1\frac{1}{2}$).
- *Rifles or Wooden Rifles.
- *Medicine Ball—6 or 8 lbs.
- *Mattresses—thickness, 2 inches—two, four feet by ten feet; one, four feet by four feet.
- Chest-weight Machines.
- Suspended Parallel Bars.
- Wall Machine.
- Quarter Circle.

Vaulting Buck.
Wall Horizontal Bar.
Knotted Rope.
Striking Bag.
Vaulting Standard.
Folding Hurdle.
Vaulting Poles.
Vaulting Horse.

For Girls

*Wands.
*Indian Clubs ($1\frac{1}{2}$).
*Wooden Dumb Bells.
*Chest-weight Machines.
*Basket Ball.
Parallel Bars.
Travelling Rings.
Horizontal Ladder.
Flying Rings.
Quarter Circle.

Legislative Grants

There shall be four grades of gymnasium for High Schools and Collegiate Institutes respectively, according to the suitability of character and extent:

For Grade I., eight per cent. of the value of the gymnasium as reported by the High School Inspector will be allowed up to the maximum value of \$800 or \$1,600, as the case may be; for Grade II, eight per cent. of three-fourths of such value; for Grade III, eight per cent. of half of such value; and for Grade IV, eight per cent of one-fourth of such value; but, when suitable additional accommodation is in use for Physical Culture, the grading will be one degree higher, unless the maximum has already been reached.

DEPARTMENT OF EDUCATION.

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